

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A high temperature resistive coating composition comprising:
a pigmenting component including a spinel;
a binder component including a silicone resin and an organic solvent, wherein said organic solvent and said silicone resin are present in a substantially 1:1 ratio; and
a hardening agent.
2. (original) The high temperature resistive coating composition of claim 1, wherein said spinel of said pigmenting component is of the formula AB_2O_4 , in which
A is selected from the group consisting of Mg, Fe, Zn, (Mn), Cu, Ni and combinations thereof, and
B is selected from the group consisting of Al, Fe, Cr and combinations thereof.
3. (original) The high temperature resistive coating composition of claim 2, wherein said spinel has a formula of $CuCr_2O_4$.
4. (currently amended) ~~The high temperature resistive coating composition of claim 1~~
A high temperature resistive coating composition comprising:
a pigmenting component including a spinel, wherein said pigmenting component is a solution of said spinel in an aqueous acid;
a binder component including a silicone resin; and
a hardening agent.
5. (original) The high temperature resistive coating composition of claim 4, wherein said pigmenting component has a pH less than 1.0.

6. (original) The high temperature resistive coating composition of claim 4, wherein said acid is selected from the group consisting of chromic acid, phosphoric acid, and a combination thereof.

7. (original) The high temperature resistive coating composition of claim 6, wherein said pigmenting component has a pH less than 1.0.

8. (original) The high temperature resistive coating composition of claim 4, wherein said pigmenting component contains 25-75% spinel and 25-75% acid.

9. (original) The high temperature resistive coating composition of claim 4, wherein said pigmenting component further includes a water-soluble crosslinking agent for crosslinking the silicone resin.

10. (original) The high temperature resistive coating composition of claim 9, wherein said crosslinking agent forms 2-10% of said pigmenting component.

11. (original) The high temperature resistive coating composition of claim 1, further comprising a metal oxide.

12. (original) The high temperature resistive coating composition of claim 1, further comprising at least one modifying agent selected from the group consisting of surfactants, dispersants and emulsifiers.

13. (original) The high temperature resistive coating composition of claim 1, wherein the silicone resin of said binder component is a polysiloxane.

14. (original) The high temperature resistive coating composition of claim 1, wherein the silicone resin has a methyl to phenyl ratio of between 30:70 and 70:30.

15. (currently amended) The high temperature resistive coating composition of ~~claim 1~~
claim 4, wherein said binder component further includes an organic solvent.

16. (canceled)

17. (original) The high temperature resistive coating composition of claim 1, wherein
said hardening agent is constituted by a finely powdered material selected from the group
consisting of diamond powder, BN, WC, SiC, Al₂O₃, AlN and SiO₂.

18. (currently amended) ~~The high temperature resistive coating composition of claim 17~~
A high temperature resistive coating composition comprising:

a pigmenting component including a spinel;

a binder component including a silicone resin; and

a hardening agent, wherein said hardening agent is a finely powdered material
having a formula of SiC.

19. (original) The high temperature resistive coating composition of claim 1, wherein
said composition is a liquid at room temperature.

20. (original) The high temperature resistive coating composition of claim 19, wherein
said pigmenting component, said binder component and said hardening agent are
provided in a ratio of one liter to one liter to 100-200 grams, respectively.

21. (currently amended) A cooking appliance:

an oven cavity having an interior surface;

a heating element for heating said oven cavity;

a rack arranged in the oven cavity; and

a high temperature resistive coating composition arranged on at least one of the
interior surface of said oven cavity and said rack, said high temperature resistive coating
composition being a liquid at room temperature and formed from:

a pigmenting component including a spinel;

a binder component including a silicone resin; and
a hardening agent.

22. (original) The cooking appliance of claim 21, wherein said spinel of said pigmenting component is of the formula AB_2O_4 , in which

A is selected from the group consisting of Mg, Fe, Zn, Mn, Cu, Ni, and combinations thereof, and;

B is selected from the group consisting of Al, Fe, Cr and combinations thereof.

23. (original) The cooking appliance of claim 22, wherein said spinel has a formula of $CuCr_2O_4$.

24. (original) The cooking appliance of claim 21, wherein the coating composition includes a metal oxide.

25. (original) The cooking appliance of claim 21, wherein the coating composition further comprises at least one modifying agent selected from the group consisting of surfactants, dispersants and emulsifiers.

26. (original) The cooking appliance of claim 21, wherein the silicone resin of said binder component is a polysiloxane.

27. (original) The cooking appliance of claim 21, wherein the silicone resin has a methyl to phenyl ratio of between 30:70 and 70:30.

28. (original) The cooking appliance of claim 21, wherein said hardening agent is constituted by a finely powdered material selected from the group consisting of diamond powder, BN, WC, SiC, Al_2O_3 , AlN and SiO_2 .

29. (currently amended) ~~The cooking appliance of claim 28~~

A cooking appliance:

an oven cavity having an interior surface;
a heating element for heating said oven cavity;
a rack arranged in the oven cavity; and
a high temperature resistive coating composition arranged on at least one of the interior surface of said oven cavity and said rack, said high temperature resistive coating composition being formed from:

a pigmenting component including a spinel;
a binder component including a silicone resin; and
a hardening agent, wherein said hardening agent is a finely powdered material having a formula of SiC .

30 - 42. (canceled)

43. (currently amended) ~~The cooking appliance of claim 21~~

A cooking appliance:

an oven cavity having an interior surface;
a heating element for heating said oven cavity;
a rack arranged in the oven cavity; and
a high temperature resistive coating composition arranged on at least one of the interior surface of said oven cavity and said rack, said high temperature resistive coating composition being formed from:

a pigmenting component including a spinel, wherein said pigmenting component is a solution of said spinel in an aqueous acid;
a binder component including a silicone resin; and
a hardening agent.

44. (previously presented) The cooking appliance of claim 43, wherein said pigmenting component has a pH less than 1.0.

45. (previously presented) The cooking appliance of claim 43, wherein said acid is selected from the group consisting of chromic acid, phosphoric acid, and a combination thereof.

46. (previously presented) The cooking appliance of claim 45, wherein said pigmenting component has a pH less than 1.0.

47. (previously presented) The cooking appliance of claim 43, wherein said pigmenting component contains 25-75% spinel and 25-75% acid.

48. (previously presented) The cooking appliance of claim 43, wherein said pigmenting component further includes a water-soluble crosslinking agent for crosslinking the silicone resin.

49. (previously presented) The cooking appliance of claim 48, wherein said crosslinking agent forms 2-10% of said pigmenting component.

50. (currently amended) ~~The cooking appliance of claim 21~~

A cooking appliance:

an oven cavity having an interior surface;

a heating element for heating said oven cavity;

a rack arranged in the oven cavity; and

a high temperature resistive coating composition arranged on at least one of the interior surface of said oven cavity and said rack, said high temperature resistive coating composition being formed from:

a pigmenting component including a spinel;

a binder component including a silicone resin, wherein said binder component further includes an organic solvent; and

a hardening agent.

51. (previously presented) The cooking appliance of claim 50, wherein said organic solvent and said silicone resin are present in a substantially 1:1 ratio.

52. (canceled)

53. (currently amended) The cooking appliance of ~~claim 52~~ claim 21, wherein said pigmenting component, said binder component and said hardening agent are provided in a ratio of one liter to one liter to 100-200 grams, respectively.